



PTO-1449 <b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 1085.0050000/RWE/ALS	APPLICATION NO. 09/674,733
	APPLICANT Szaedenings et al.	
	§ 371 Date: 05/02/03	GROUP 1614

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT	1	Bagutti, C. et al., "[ <sup>111</sup> In]-DTPA-Labeled Analogues of $\alpha$ -Melanocyte-Stimulating Hormone for Melanoma Targeting: Receptor Binding In Vitro and In Vivo," <i>Int. J. Cancer</i> 58:749-755, Wiley-Liss, Inc. (1994).

EXAMINER	DATE CONSIDERED 1-21-04
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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Bhardwaj, R.S. et al., "Pro-Opiomelanocortin-Derived Peptides Induce IL-10 Production in Human Monocytes," J. Immunol. 156:2517-2521, The American Association of Immunologists (1996).
	AS	2	Cone, R.D. et al., "The Melanocortin Receptors: Agonists, Antagonists, and the Hormonal Control of Pigmentation," Recent Prog. Horm. Res. 51:287-317, The Endocrine Society (1996).
	AT	2	De Wied, D. and Jolles, J., "Neuropeptides Derived From Pro-Opiocortin: Behavioral, Physiological, and Neurochemical Effects," Physiol. Rev. 62:976-1059, The American Physiological Society (1982).

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	AL						Yes No
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	AN						Yes No
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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

9	AR	1	Eberle, A.N., "Structure-Activity Relationships of the Melanotropins," in The Melanotropins: Chemistry, Physiology and Mechanisms of Action, Eberle, A.N., Ed., S. Karger Publishing, Basel, Switzerland, pp:333-379 (1988).
1	AS	1	Gonindard, C. et al., "The Administration of an $\alpha$ -MSH Analogue Reduces the Serum Release of IL-1 $\alpha$ and TNF $\alpha$ Induced by the Injection of a Sublethal Dose of Lipopolysaccharides in the BALB/c Mouse," Pigment Cell Res. 9:148-153, Munksgaard (1996).
2	AT	1	Gruber, K.A. and Callahan, M.F., "ACTH-(4-10) through $\gamma$ -MSH: evidence for a new class of central autonomic nervous system-regulating peptides," Am. J. Physiol. 257:R681-R694, The American Physiological Society (1989).

EXAMINER

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		AL					Yes No
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		AO					Yes No
		AP					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Hartmeyer, M. et al., "Human Dermal Microvascular Endothelial Cells Express the Melanocortin Receptor Type 1 and Produce Increased Levels of IL-8 upon Stimulation with $\alpha$ -Melanocyte-Stimulating Hormone," J. Immunol. 159:1930-1937, The American Association of Immunologists (August 1997).
	AS	4	Hnatowich, M.R. et al., "ACTH receptors in nervous tissue. High affinity binding-sequestration of [ $^{125}$ I](Phe <sup>2</sup> ,Nle <sup>4</sup> )ACTH 1-24 in homogenates and slices from rat brain," Can. J. Physiol. Pharmacol. 67:568-576, National Research Council of Canada (1989).
	AT	4	Hol, E.M. et al., "Protection by an ACTH <sub>1-24</sub> Analogue Against the Toxic Effects of Cisplatin and Taxol on Sensory Neurons and Glial Cells In Vitro," J. Neurosci. Res. 39:178-185, Wiley-Liss, Inc. (1994).

EXAMINER	DATE CONSIDERED
	6-21-04

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	5	Hruby, V.J. et al., "Cyclic Lactam $\alpha$ -Melanotropin Analogues of Ac-Nle <sup>1</sup> -cyclo[Asp <sup>1</sup> ,D-Phe <sup>2</sup> ,Lys <sup>3</sup> ] $\alpha$ -Melanocyte-Stimulating Hormone-(4-10)-NH <sub>2</sub> with Bulky Aromatic Amino Acids at Position 7 Show High Antagonist Potency and Selectivity at Specific Melanocortin Receptors," J. Med. Chem. 38:3454-3461, American Chemical Society (1995).
AS	5	Klein, M.C. et al., "Pressor and Cardioaccelerator Effects of Gamma MSH and Related Peptides," Life Sci. 36:769-775, Pergamon Press (1985).
AT	5	Knittel, J.J. et al., "Structure-Activity Studies of Highly Potent Cyclic [Cys <sup>1</sup> ,Cys <sup>10</sup> ]Melanotropin Analogues," J. Med. Chem. 26:125-129, American Chemical Society (1983).

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	APPLICANT Szardenings et al.	
	\$ 371 Date: 05/02/01	GROUP 1614

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

9	AR	6	Lichtensteiger, W. et al., "Pre- and Postnatal Ontogeny of [ <sup>125</sup> I]Nle <sup>6</sup> ,o-Phe <sup>1</sup> -α-MSH Binding Sites in Rat Brain," <i>Ann. N.Y. Acad. Sci.</i> 680:652-654, New York Academy of Sciences (1993).
	AS	6	Lin, S.-Y., et al., "A γ-Melanocyte Stimulating Hormone-like Peptide Causes Reflex Natriuresis After Acute Unilateral Nephrectomy," <i>Hypertension</i> 10:619-627, American Heart Association (1987).
12	AT	6	Murphy, J.R. et al., "Genetic construction, expression and melanoma-selective cytotoxicity of a diphtheria toxin-related α-melanocyte-stimulating hormone fusion protein," <i>Proc. Natl. Acad. Sci. USA</i> 83:8258-8262, National Academy of Sciences (1986).

EXAMINER	DATE CONSIDERED 1.24.04
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APPLICATION NO.  
09/674,733

APPLICANT  
*Saardenings et al.*

§ 371 Date:  
05/02/01

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	AN						Yes No
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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	1	Prusia, P. et al., "A Three Dimensional Model for the Interaction of MSH with the Melanocortin-1 Receptor," Biochem. Biophys. Res. Commun. 210:205-210, Academic Press, Inc. (1995):
	AS	2	Sawyer, T.K. et al., "4-Norleucine, 7-o-phenylalanine- $\alpha$ -melanocyte-stimulating hormone: A highly potent $\alpha$ -melanotropin with ultralong biological activity," Proc. Natl. Acad. Sci. USA 77:5754-5758, National Academy of Sciences (1980).
	AT	1	Sawyer, T.K. et al., "[half-Cys <sup>1</sup> , half-Cys <sup>10</sup> ]- $\alpha$ -Melanocyte-stimulating hormone: A cyclic $\alpha$ -melanotropin exhibiting superagonist biological activity," Proc. Natl. Acad. Sci. USA 79:1751-1755, National Academy of Sciences (1982).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	B	Tatro, J.B. et al., "Interaction of an $\alpha$ -Melanocyte-stimulating Hormone-Diphtheria Toxin Fusion Protein with Melanotropin Receptors in Human Melanoma Metastases," <i>Canc. Res.</i> 52:2545-2548, American Association for Cancer Research (1992).
	AS	B	Thielemans, K.M.M., "Immunotherapy with Bispecific Antibodies," <i>Verh. K. Acad. Geneesk. Belg.</i> 57:229-248, <i>Pulsis Der Academein</i> (1995).
	AT	B	Wiegant, V.M. et al., "Intracerebroventricular ACTH Activates the Pituitary-Adrenal System: Disassociation from a Behavioral Response," <i>Life Sci.</i> 25:1791-1796, Pergamon Press (1979).

EXAMINER	DATE CONSIDERED 1-21-04
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FORM PTO-1449

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05/02/01GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1	5,731,408	03/24/98	Hadley, M.E. et al.	530	317	04/10/95
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	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Schiöth, H.B. et al., "Binding of cyclic and linear MSM core peptides to the melanocortin receptor subtypes," <i>European Journal of Pharmacology</i> 319:369-373, Elsevier Science B.V. (February 1997).
	AS	1	Szardenings, M. et al., "Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1," <i>J. Biol. Chem.</i> 272: 27943-27948, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).
	AT	1	

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AR	1	Schieth, H.B. et al., "Binding of cyclic and linear MSH core peptides to the melanocortin receptor subtypes," <i>J. Biol. Chem.</i> 272: 27943-27948, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).
AS	1	Szardenings, M. et al., "Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1," <i>J. Biol. Chem.</i> 272: 27943-27948, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997).
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